

UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

MLRA REGION 11
Indianapolis, Indiana 46278

FIRST AMENDMENT
TO THE
OCTOBER 1958 CLASSIFICATION AND CORRELATION
OF THE SOILS OF
FAYETTE AND UNION COUNTIES, INDIANA

MAY 2006

This amendment results from digitizing the Soil Survey data for Fayette and Union Counties, the update of the NASIS database, and conforming to the Keys to Soil Taxonomy, 9th Edition, 2003. Note that the two counties will be digitized individually and not as a joint project.

AMENDMENT NO. 1

Additions to the Soil Correlation Legend -

Add the following map unit:

Field <u>symbols</u>	Field map <u>unit name</u>	Publication <u>symbol</u>	Approved map <u>unit name</u>
W	Water	W	Water
Water	Water	W	Water

The "W - Water" map unit is added for water areas more than 1.43 acres in size.

The following are the map units in Fayette County:

SOIL MAP LEGEND
Fayette County, Indiana: Detailed Soil Map Legend

Map symbol	Soil name
AvA	Avonburg silt loam, 0 to 2 percent slopes
AvB2	Avonburg silt loam, 2 to 6 percent slopes, eroded
BbA	Birkbeck silt loam, 0 to 2 percent slopes
BbB1	Birkbeck silt loam, 2 to 6 percent slopes, slightly eroded
BbB2	Birkbeck silt loam, 2 to 6 percent slopes, moderately eroded
Bp	Borrow pits
Br	Brookston silt loam
By	Brookston silty clay loam
CcB1	Cincinnati silt loam, 2 to 6 percent slopes, slightly eroded

SOIL MAP LEGEND--Continued
Fayette County, Indiana: Detailed Soil Map Legend

Map symbol	Soil name
CcB2	Cincinnati silt loam, 2 to 6 percent slopes, moderately eroded
CcC1	Cincinnati silt loam, 6 to 12 percent slopes, slightly eroded
CcC2	Cincinnati silt loam, 6 to 12 percent slopes, moderately eroded
CcD1	Cincinnati silt loam, 12 to 18 percent slopes, slightly eroded
CcD2	Cincinnati silt loam, 12 to 18 percent slopes, moderately eroded
CcE1	Cincinnati silt loam, 18 to 25 percent slopes, slightly eroded
CcE2	Cincinnati silt loam, 18 to 25 percent slopes, moderately eroded
CcF2	Cincinnati silt loam, 25 to 45 percent slopes, eroded
CnC3	Cincinnati soils, 6 to 12 percent slopes, severely eroded
CnD3	Cincinnati soils, 12 to 18 percent slopes, severely eroded
CnE3	Cincinnati soils, 18 to 25 percent slopes, severely eroded
Co	Cope silt loam
Cp	Cope silty clay loam
CrA	Crosby silt loam, 0 to 2 percent slopes
CrB1	Crosby silt loam, 2 to 6 percent slopes, slightly eroded
CrB2	Crosby silt loam, 2 to 6 percent slopes, moderately eroded
De	Delmar silt loam
Ee	Eel loam
Es	Eel silt loam
FaB	Fairmount silty clay loam, 2 to 6 percent slopes
FaC	Fairmount silty clay loam, 6 to 12 percent slopes
FaD	Fairmount silty clay loam, 12 to 18 percent slopes
FaE	Fairmount silty clay loam, 18 to 25 percent slopes
FaF	Fairmount silty clay loam, 25 to 35 percent slopes
FaG	Fairmount silty clay loam, 35 to 50 percent slopes
FeA	Fincastle and Crosby silt loams, 0 to 2 percent slopes
FeB	Fincastle and Crosby silt loams, 2 to 6 percent slopes
FeB2	Fincastle and Crosby silt loams, 2 to 6 percent slopes, eroded
FcA	Fincastle silt loam, 0 to 2 percent slopes
FcB1	Fincastle silt loam, 2 to 6 percent slopes, slightly eroded
FcB2	Fincastle silt loam, 2 to 6 percent slopes, moderately eroded
FsD2	Fox and Rodman loams, 12 to 18 percent slopes, moderately eroded
FtD2	Fox and Rodman loams, kames, 12 to 18 percent slopes, moderately eroded
FtE2	Fox and Rodman loams, kames, 18 to 25 percent slopes, moderately eroded
FvD3	Fox and Rodman soils, 12 to 18 percent slopes, severely eroded
FxD3	Fox and Rodman soils, kames, 12 to 18 percent slopes, severely eroded
FmA	Fox loam, 0 to 2 percent slopes
FmB1	Fox loam, 2 to 6 percent slopes, slightly eroded
FmB2	Fox loam, 2 to 6 percent slopes, moderately eroded

SOIL MAP LEGEND--Continued
Fayette County, Indiana: Detailed Soil Map Legend

Map symbol	Soil name
FmC2	Fox loam, 6 to 12 percent slopes, moderately eroded
FnA	Fox silt loam, 0 to 2 percent slopes
FnB1	Fox silt loam, 2 to 6 percent slopes, slightly eroded
FnB2	Fox silt loam, 2 to 6 percent slopes, moderately eroded
FnC2	Fox silt loam, 6 to 12 percent slopes, moderately eroded
FnD1	Fox silt loam, 12 to 18 percent slopes, slightly eroded
FnD2	Fox silt loam, 12 to 18 percent slopes, moderately eroded
FoB2	Fox silt loam, kames, 2 to 6 percent slopes, moderately eroded
FoC2	Fox silt loam, kames, 6 to 12 percent slopes, moderately eroded
FpC3	Fox soils, 6 to 12 percent slopes, severely eroded
FrC3	Fox soils, kames, 6 to 12 percent slopes, severely eroded
Ge	Genesee fine sandy loam
Gg	Genesee gravelly loam
Gm	Genesee loam
Go	Genesee loam, high bottom
Gs	Genesee silt loam
Gt	Genesee silt loam, high bottom
Gv	Gravel pits
HeF1	Hennepin loam, 25 to 35 percent slopes, slightly eroded
HeF2	Hennepin loam, 25 to 35 percent slopes, moderately eroded
HeG1	Hennepin loam, 35 to 50 percent slopes, slightly eroded
HeG2	Hennepin loam, 35 to 50 percent slopes, moderately eroded
Ho	Homer silt loam
Ko	Kokomo silty clay loam
Ma	Made land
MbA	Manlove silt loam, 0 to 2 percent slopes
MbB1	Manlove silt loam, 2 to 6 percent slopes, slightly eroded
MbB2	Manlove silt loam, 2 to 6 percent slopes, moderately eroded
McA	Martinsville silt loam, 0 to 2 percent slopes
McB1	Martinsville silt loam, 2 to 6 percent slopes, slightly eroded
McB2	Martinsville silt loam, 2 to 6 percent slopes, moderately eroded
McC2	Martinsville silt loam, 6 to 12 percent slopes, moderately eroded
McD2	Martinsville silt loam, 12 to 18 percent slopes, moderately eroded
MmA	Miami silt loam, 0 to 2 percent slopes
MmB1	Miami silt loam, 2 to 6 percent slopes, slightly eroded
MmB2	Miami silt loam, 2 to 6 percent slopes, moderately eroded
MmC1	Miami silt loam, 6 to 12 percent slopes, slightly eroded
MmC2	Miami silt loam, 6 to 12 percent slopes, moderately eroded
MmD1	Miami silt loam, 12 to 18 percent slopes, slightly eroded

SOIL MAP LEGEND--Continued
Fayette County, Indiana: Detailed Soil Map Legend

Map symbol	Soil name
MmD2	Miami silt loam, 12 to 18 percent slopes, moderately eroded
MmE1	Miami silt loam, 18 to 25 percent slopes, slightly eroded
MmE2	Miami silt loam, 18 to 25 percent slopes, moderately eroded
MsB3	Miami soils, 2 to 6 percent slopes, severely eroded
MsC3	Miami soils, 6 to 12 percent slopes, severely eroded
MsD3	Miami soils, 12 to 18 percent slopes, severely eroded
MsE3	Miami soils, 18 to 25 percent slopes, severely eroded
MtB1	Milton silt loam, 2 to 6 percent slopes, slightly eroded
MtB2	Milton silt loam, 2 to 6 percent slopes, moderately eroded
Nn	Nineveh loam
OcA	Ockley silt loam, 0 to 2 percent slopes
OcB1	Ockley silt loam, 2 to 6 percent slopes, slightly eroded
OcB2	Ockley silt loam, 2 to 6 percent slopes, moderately eroded
OcC2	Ockley silt loam, 6 to 12 percent slopes, moderately eroded
OkB3	Ockley soils, 2 to 6 percent slopes, severely eroded
OkC3	Ockley soils, 6 to 12 percent slopes, severely eroded
ReA	Reesville silt loam, 0 to 2 percent slopes
ReA2	Reesville silt loam, 0 to 2 percent slopes, moderately eroded
ReB2	Reesville silt loam, 2 to 6 percent slopes, moderately eroded
Rw	Riverwash
RgD2	Rodman gravelly loam, 12 to 18 percent slopes, moderately eroded
RgE1	Rodman gravelly loam, 18 to 25 percent slopes, slightly eroded
RgE2	Rodman gravelly loam, 18 to 25 percent slopes, moderately eroded
RgF2	Rodman gravelly loam, 25 to 50 percent slopes, eroded
Ro	Ross silt loam
RuA	Russell and Miami silt loams, 0 to 2 percent slopes
RuB1	Russell and Miami silt loams, 2 to 6 percent slopes, slightly eroded
RuB2	Russell and Miami silt loams, 2 to 6 percent slopes, moderately eroded
RuC1	Russell and Miami silt loams, 6 to 12 percent slopes, slightly eroded
RuC2	Russell and Miami silt loams, 6 to 12 percent slopes, moderately eroded
RvB3	Russell and Miami soils, 2 to 6 percent slopes, severely eroded
RvC3	Russell and Miami soils, 6 to 12 percent slopes, severely eroded
RsA	Russell silt loam, 0 to 2 percent slopes
RsB1	Russell silt loam, 2 to 6 percent slopes, slightly eroded
RsB2	Russell silt loam, 2 to 6 percent slopes, moderately eroded
RsC1	Russell silt loam, 6 to 12 percent slopes, slightly eroded
RsC2	Russell silt loam, 6 to 12 percent slopes, moderately eroded
RsD1	Russell silt loam, 12 to 18 percent slopes, slightly eroded
RsD2	Russell silt loam, 12 to 18 percent slopes, moderately eroded

SOIL MAP LEGEND--Continued
Fayette County, Indiana: Detailed Soil Map Legend

Map symbol	Soil name
RSE1	Russell silt loam, 18 to 25 percent slopes, slightly eroded
RSE2	Russell silt loam, 18 to 25 percent slopes, moderately eroded
RtB3	Russell soils, 2 to 6 percent slopes, severely eroded
RtC3	Russell soils, 6 to 12 percent slopes, severely eroded
RtD3	Russell soils, 12 to 18 percent slopes, severely eroded
RtE3	Russell soils, 18 to 25 percent slopes, severely eroded
Sh	Shoals silt loam
Sn	Sloan silt loam
W	Water
We	Westland silt loam
WhA	Whitaker silt loam, 0 to 2 percent slopes
WhB	Whitaker silt loam, 2 to 6 percent slopes
WnB2	Wynn silt loam, 2 to 6 percent slopes, moderately eroded
WnC2	Wynn silt loam, 6 to 12 percent slopes, moderately eroded
WnD2	Wynn silt loam, 12 to 25 percent slopes, moderately eroded
WyC3	Wynn soils, 6 to 12 percent slopes, severely eroded
XnA	Xenia and Celina silt loams, 0 to 2 percent slopes
XnB1	Xenia and Celina silt loams, 2 to 6 percent slopes, slightly eroded
XnB2	Xenia and Celina silt loams, 2 to 6 percent slopes, moderately eroded
XeA	Xenia silt loam, 0 to 2 percent slopes
XeB1	Xenia silt loam, 2 to 6 percent slopes, slightly eroded
XeB2	Xenia silt loam, 2 to 6 percent slopes, moderately eroded

The following are the map units in Union County:

SOIL MAP LEGEND
Union County, Indiana: Detailed Soil Map Legend

Map symbol	Soil name
BbA	Birkbeck silt loam, 0 to 2 percent slopes
BbB1	Birkbeck silt loam, 2 to 6 percent slopes, slightly eroded
BbB2	Birkbeck silt loam, 2 to 6 percent slopes, moderately eroded
Bp	Borrow pits
Br	Brookston silt loam
By	Brookston silty clay loam

SOIL MAP LEGEND--Continued
Union County, Indiana: Detailed Soil Map Legend

Map symbol	Soil name
Co	Cope silt loam
Cp	Cope silty clay loam
CrA	Crosby silt loam, 0 to 2 percent slopes
CrB2	Crosby silt loam, 2 to 6 percent slopes, moderately eroded
De	Delmar silt loam
Ee	Eel loam
Es	Eel silt loam
FaB	Fairmount silty clay loam, 2 to 6 percent slopes
FaC	Fairmount silty clay loam, 6 to 12 percent slopes
FaD	Fairmount silty clay loam, 12 to 18 percent slopes
FaE	Fairmount silty clay loam, 18 to 25 percent slopes
FaF	Fairmount silty clay loam, 25 to 35 percent slopes
FaG	Fairmount silty clay loam, 35 to 50 percent slopes
FeA	Fincastle and Crosby silt loams, 0 to 2 percent slopes
FeB	Fincastle and Crosby silt loams, 2 to 6 percent slopes
FeB2	Fincastle and Crosby silt loams, 2 to 6 percent slopes, eroded
FcA	Fincastle silt loam, 0 to 2 percent slopes
FcB1	Fincastle silt loam, 2 to 6 percent slopes, slightly eroded
FsD2	Fox and Rodman loams, 12 to 18 percent slopes, moderately eroded
FtD2	Fox and Rodman loams, kames, 12 to 18 percent slopes, moderately eroded
FtE2	Fox and Rodman loams, kames, 18 to 25 percent slopes, moderately eroded
FvD3	Fox and Rodman soils, 12 to 18 percent slopes, severely eroded
FxD3	Fox and Rodman soils, kames, 12 to 18 percent slopes, severely eroded
FmA	Fox loam, 0 to 2 percent slopes
FmB1	Fox loam, 2 to 6 percent slopes, slightly eroded
FmB2	Fox loam, 2 to 6 percent slopes, moderately eroded
FmC2	Fox loam, 6 to 12 percent slopes, moderately eroded
FnA	Fox silt loam, 0 to 2 percent slopes
FnB1	Fox silt loam, 2 to 6 percent slopes, slightly eroded
FnB2	Fox silt loam, 2 to 6 percent slopes, moderately eroded
FnC2	Fox silt loam, 6 to 12 percent slopes, moderately eroded
FnD1	Fox silt loam, 12 to 18 percent slopes, slightly eroded
FnD2	Fox silt loam, 12 to 18 percent slopes, moderately eroded
FoB2	Fox silt loam, kames, 2 to 6 percent slopes, moderately eroded
FoC2	Fox silt loam, kames, 6 to 12 percent slopes, moderately eroded
FpC3	Fox soils, 6 to 12 percent slopes, severely eroded
FrC3	Fox soils, kames, 6 to 12 percent slopes, severely eroded
Ge	Genesee fine sandy loam
Gg	Genesee gravelly loam

SOIL MAP LEGEND--Continued
Union County, Indiana: Detailed Soil Map Legend

Map symbol	Soil name
Gm	Genesee loam
Go	Genesee loam, high bottom
Gs	Genesee silt loam
Gt	Genesee silt loam, high bottom
Gv	Gravel pits
HeF1	Hennepin loam, 25 to 35 percent slopes, slightly eroded
HeF2	Hennepin loam, 25 to 35 percent slopes, moderately eroded
HeG1	Hennepin loam, 35 to 50 percent slopes, slightly eroded
HeG2	Hennepin loam, 35 to 50 percent slopes, moderately eroded
Ho	Homer silt loam
Ko	Kokomo silty clay loam
La	Lake beach
Ma	Made land
MbA	Manlove silt loam, 0 to 2 percent slopes
MbB1	Manlove silt loam, 2 to 6 percent slopes, slightly eroded
MbB2	Manlove silt loam, 2 to 6 percent slopes, moderately eroded
McA	Martinsville silt loam, 0 to 2 percent slopes
McB1	Martinsville silt loam, 2 to 6 percent slopes, slightly eroded
McB2	Martinsville silt loam, 2 to 6 percent slopes, moderately eroded
McC2	Martinsville silt loam, 6 to 12 percent slopes, moderately eroded
MmA	Miami silt loam, 0 to 2 percent slopes
MmB1	Miami silt loam, 2 to 6 percent slopes, slightly eroded
MmB2	Miami silt loam, 2 to 6 percent slopes, moderately eroded
MmC1	Miami silt loam, 6 to 12 percent slopes, slightly eroded
MmC2	Miami silt loam, 6 to 12 percent slopes, moderately eroded
MmD1	Miami silt loam, 12 to 18 percent slopes, slightly eroded
MmD2	Miami silt loam, 12 to 18 percent slopes, moderately eroded
MmE1	Miami silt loam, 18 to 25 percent slopes, slightly eroded
MmE2	Miami silt loam, 18 to 25 percent slopes, moderately eroded
MsC3	Miami soils, 6 to 12 percent slopes, severely eroded
MsD3	Miami soils, 12 to 18 percent slopes, severely eroded
MsE3	Miami soils, 18 to 25 percent slopes, severely eroded
MtB1	Milton silt loam, 2 to 6 percent slopes, slightly eroded
MtB2	Milton silt loam, 2 to 6 percent slopes, moderately eroded
Nn	Nineveh loam
OcA	Ockley silt loam, 0 to 2 percent slopes
OcB1	Ockley silt loam, 2 to 6 percent slopes, slightly eroded
OcB2	Ockley silt loam, 2 to 6 percent slopes, moderately eroded
OcC2	Ockley silt loam, 6 to 12 percent slopes, moderately eroded

SOIL MAP LEGEND--Continued
Union County, Indiana: Detailed Soil Map Legend

Map symbol	Soil name
OkB3	Ockley soils, 2 to 6 percent slopes, severely eroded
OkC3	Ockley soils, 6 to 12 percent slopes, severely eroded
ReA	Reesville silt loam, 0 to 2 percent slopes
ReA2	Reesville silt loam, 0 to 2 percent slopes, moderately eroded
ReB2	Reesville silt loam, 2 to 6 percent slopes, moderately eroded
Rw	Riverwash
RgD2	Rodman gravelly loam, 12 to 18 percent slopes, moderately eroded
RgE1	Rodman gravelly loam, 18 to 25 percent slopes, slightly eroded
RgE2	Rodman gravelly loam, 18 to 25 percent slopes, moderately eroded
RgF2	Rodman gravelly loam, 25 to 50 percent slopes, eroded
Ro	Ross silt loam
RuA	Russell and Miami silt loams, 0 to 2 percent slopes
RuB1	Russell and Miami silt loams, 2 to 6 percent slopes, slightly eroded
RuB2	Russell and Miami silt loams, 2 to 6 percent slopes, moderately eroded
RuC1	Russell and Miami silt loams, 6 to 12 percent slopes, slightly eroded
RuC2	Russell and Miami silt loams, 6 to 12 percent slopes, moderately eroded
RvB3	Russell and Miami soils, 2 to 6 percent slopes, severely eroded
RvC3	Russell and Miami soils, 6 to 12 percent slopes, severely eroded
RsA	Russell silt loam, 0 to 2 percent slopes
RsB1	Russell silt loam, 2 to 6 percent slopes, slightly eroded
RsB2	Russell silt loam, 2 to 6 percent slopes, moderately eroded
RsC1	Russell silt loam, 6 to 12 percent slopes, slightly eroded
RsC2	Russell silt loam, 6 to 12 percent slopes, moderately eroded
RsD1	Russell silt loam, 12 to 18 percent slopes, slightly eroded
RsD2	Russell silt loam, 12 to 18 percent slopes, moderately eroded
RsE1	Russell silt loam, 18 to 25 percent slopes, slightly eroded
RsE2	Russell silt loam, 18 to 25 percent slopes, moderately eroded
RtB3	Russell soils, 2 to 6 percent slopes, severely eroded
RtC3	Russell soils, 6 to 12 percent slopes, severely eroded
RtD3	Russell soils, 12 to 18 percent slopes, severely eroded
RtE3	Russell soils, 18 to 25 percent slopes, severely eroded
Sh	Shoals silt loam
Sn	Sloan silt loam
W	Water
We	Westland silt loam
WnB1	Wynn silt loam, 2 to 6 percent slopes, slightly eroded
WnB2	Wynn silt loam, 2 to 6 percent slopes, moderately eroded
WnC2	Wynn silt loam, 6 to 12 percent slopes, moderately eroded
WnD2	Wynn silt loam, 12 to 25 percent slopes, moderately eroded

SOIL MAP LEGEND--Continued
Union County, Indiana: Detailed Soil Map Legend

Map symbol	Soil name
WyC3	Wynn soils, 6 to 12 percent slopes, severely eroded
XnA	Xenia and Celina silt loams, 0 to 2 percent slopes
XnB1	Xenia and Celina silt loams, 2 to 6 percent slopes, slightly eroded
XnB2	Xenia and Celina silt loams, 2 to 6 percent slopes, moderately eroded
XeA	Xenia silt loam, 0 to 2 percent slopes
XeB2	Xenia silt loam, 2 to 6 percent slopes, moderately eroded
XeB1	Xenia silt loam, 2 to 6 percent slopes, slightly eroded

Replace the Conventional and Special Symbols Legend from the 1960 Published Soil Survey, with the attached Indiana Official 37As' for Compilation, Digitizing, and DMF, Revised June 30, 2004.

Only the following standard landform and miscellaneous surface features will be shown on the legend and placed on the digitized soil maps for Fayette County:

<u>Feature</u>	<u>Name</u>	<u>Description</u>
ESB	Escarpment, bedrock	A relatively continuous and steep slope or cliff, which was produced by erosion or faulting, that breaks the general continuity of more gently sloping land surfaces. Exposed material is hard or soft bedrock.
ESO	Escarpment, nonbedrock	A relatively continuous and steep slope or cliff, which generally is produced by erosion but can be produced by faulting, that breaks the continuity of more gently sloping land surfaces. Exposed earthy material is nonsoil or very shallow soil.
GPI	Gravel pit	An open excavation from which soil and underlying material have been removed and used, without crushing, as a source of sand or gravel. Typically 0.2 to 2 acres.
GRA	Gravelly spot	A spot where the surface layer has more than 35 percent, by volume, rock fragments that are mostly less than 3 inches in diameter in an area with less than 15 percent fragments. Typically 0.2 to 2 acres.
GUL	Gully	A small channel with steep sides cut by running water through which water ordinarily runs only after a rain, or after ice or snow melts. It generally is an obstacle to wheeled vehicles and is too deep to be obliterated by ordinary tillage.

<u>Feature</u>	<u>Name</u>	<u>Description</u>
MAR	Marsh or swamp	A water saturated, very poorly drained area, intermittently or permanently covered by water. Sedges, cattails, and rushes dominate marsh areas. Trees or shrubs dominate swamps. Typically 0.2 to 2 acres.
ROC	Rock outcrop	An exposure of bedrock at the surface of the earth. Not used where the named soils of the surrounding map unit are shallow over bedrock or where "Rock outcrop" is a named component of the map unit. Typically 0.2 to 2 acres.
ERO	Severely eroded spot	An area where on the average 75 percent or more of the original surface layer has been lost because of accelerated erosion. Not used in map units that are named severely eroded, very severely eroded, or gullied. Typically 0.2 to 2 acres.
WET	Wet spot	A somewhat poorly drained to very poorly drained area that is at least two drainage classes wetter than the named soils in the surrounding map unit. Typically 0.2 to 2 acres.

Only the following standard landform and miscellaneous surface features will be shown on the legend and placed on the digitized soil maps for Union County:

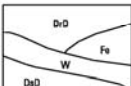
<u>Feature</u>	<u>Name</u>	<u>Description</u>
ESB	Escarpment, bedrock	A relatively continuous and steep slope or cliff, which was produced by erosion or faulting, that breaks the general continuity of more gently sloping land surfaces. Exposed material is hard or soft bedrock.
ESO	Escarpment, nonbedrock	A relatively continuous and steep slope or cliff, which generally is produced by erosion but can be produced by faulting, that breaks the continuity of more gently sloping land surfaces. Exposed earthy material is nonsoil or very shallow soil.
GPI	Gravel pit	An open excavation from which soil and underlying material have been removed and used, without crushing, as a source of sand or gravel. Typically 0.2 to 2 acres.
GRA	Gravelly spot	A spot where the surface layer has more than 35 percent, by volume, rock fragments that are mostly less than 3 inches in diameter in an area with less than 15 percent fragments. Typically 0.2 to 2 acres.
GUL	Gully	A small channel with steep sides cut by running water through which water ordinarily runs only after a rain, or after ice or snow melts. It generally is an obstacle to wheeled vehicles and is too deep to be obliterated by ordinary tillage.

<u>Feature</u>	<u>Name</u>	<u>Description</u>
MAR	Marsh or swamp	A water saturated, very poorly drained area, intermittently or permanently covered by water. Sedges, cattails, and rushes dominate marsh areas. Trees or shrubs dominate swamps. Typically 0.2 to 2 acres.
STN	Stony spot	A spot where 0.01 to 0.1 percent of the surface cover is rock fragments that are greater than 10 inches in diameter in areas where the surrounding soil has no surface stones. Typically 0.2 to 2 acres.
WET	Wet spot	A somewhat poorly drained to very poorly drained area that is at least two drainage classes wetter than the named soils in the surrounding map unit. Typically 0.2 to 2 acres.

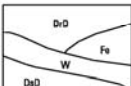
Only the following ad hoc features will be shown on the legend and placed on the digitized soil maps for both Fayette and Union Counties:

<u>Label</u>	<u>Symbol ID</u>	<u>Name</u>	<u>Description</u>
UWT	44	Unclassified water	Small, natural or man-made lake, pond, or pit that contains water, of an unspecified nature, most of the year. Typically 0.2 to 2 acres.

FEATURE AND SYMBOL LEGEND FOR SOIL SURVEY

DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
SOIL SURVEY FEATURES		CULTURAL FEATURES (Optional)		HYDROGRAPHIC FEATURES (Optional)	
SOIL DELINEATIONS AND LABELS		BOUNDARIES		Drainage end (Indicates direction of flow)	
		National, state or province		Unclassified stream	
STANDARD LANDFORM AND MISCELLANEOUS SURFACE FEATURES		County or parish			
Bedrock escarpment		Minor civil division			
Nonbedrock escarpment		Reservation (Military)			
Gully		Land grant (Optional)			
Levee		Field sheet matchline and neatline			
Short steep slope		Public Land Survey System Section Corner Tics			
Blowout		GEOGRAPHIC COORDINATE TICK			
Borrow pit		ROAD EMBLEMS			
Clay spot		Interstate			
Closed depression		Federal			
Gravel pit		State			
Gravelly spot		LOCATED OBJECTS			
Landfill		Airport (Label only)		Davis Airport or Airstrip	
Marsh or swamp					
Mine or quarry					
Rock outcrop					
Sandy spot					
Severely eroded spot					
Sinkhole					
Slide or slip					
Spoil area					
Stony spot					
Very stony spot					
Wet spot					
AD HOC FEATURES (Describe on back)					
LABEL	SYMBOL ID	SYMBOL	LABEL	SYMBOL ID	SYMBOL
DCS	1		CRO	23	
DKS	2		MIA	24	
QVM	3		CGM	25	
VMS	4		HIL	26	
EAS	5			27	
MAS	6		SIO	28	
SAS	7			29	
CAF	8		MVC	30	
CAL	9			31	
SLR	10			32	
DUM	11			33	
BRV	12			34	
BRW	13		WHL	35	
BRD	14			36	
OSR	15			37	
SSR	16		SAM	38	
LBR	17			39	
WOP	18		VSE	40	
SSR	19			41	
COB	20			42	
CNS	21			43	
FES	22		INT	44	

FEATURE AND SYMBOL LEGEND FOR SOIL SURVEY

DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
SOIL SURVEY FEATURES		CULTURAL FEATURES (Optional)		HYDROGRAPHIC FEATURES (Optional)	
SOIL DELINEATIONS AND LABELS		BOUNDARIES		Drainage end (Indicates direction of flow)	
		National, state or province		Unclassified stream	
STANDARD LANDFORM AND MISCELLANEOUS SURFACE FEATURES		County or parish			
Bedrock escarpment		Minor civil division			
Nonbedrock escarpment		Reservation (Military)			
Gully		Land grant (Optional)			
Levee		Field sheet matchline and neatline			
Short steep slope		Public Land Survey System Section Corner Tics			
Blowout		GEOGRAPHIC COORDINATE TICK			
Borrow pit		ROAD EMBLEMS			
Clay spot		Interstate			
Closed depression		Federal			
Gravel pit		State			
Gravelly spot		LOCATED OBJECTS			
Landfill		Airport (Label only)		Davis Airport or Airstrip	
Marsh or swamp					
Mine or quarry					
Rock outcrop					
Sandy spot					
Severely eroded spot					
Sinkhole					
Slide or slip					
Spoil area					
Stony spot					
Very stony spot					
Wet spot					
AD HOC FEATURES (Describe on back)					
LABEL	SYMBOL ID	SYMBOL	LABEL	SYMBOL ID	SYMBOL
DCS	1		CRO	23	
DKS	2		MIA	24	
QVM	3		CGM	25	
VMS	4		HIL	26	
EAS	5			27	
MAS	6		SIO	28	
SAS	7			29	
CAF	8		MVC	30	
CAL	9			31	
SLR	10			32	
DUM	11			33	
BRV	12			34	
BRW	13		WHL	35	
BRD	14			36	
OSR	15			37	
SSR	16		SAM	38	
LBR	17			39	
WOP	18		VSE	40	
SSR	19			41	
COB	20			42	
CNS	21			43	
FES	22		INT	44	

Notes to Accompany Classification and Correlation of Fayette and Union Counties, Indiana

Field work for this survey was completed in 1952 and since that time the concept of many of the soils correlated in these two counties have been changed significantly. Thus, several map units have been classified as taxadjuncts due to not being within the current concept of the series. These map units will be evaluated as part of the MLRA maintenance and will be reclassified or renamed accordingly.

Cincinnati Series

The CnC3 map unit is considered a taxadjunct because the depth to a fragipan is less than 22 inches.

The CcD1, CcD2, CcE1, CcE2, CcF2, CnD3 and CnE3 map units are considered taxadjuncts because they do not have a fragipan and classify as “Typic Hapludalfs”. The CcD1, CcD2 and CnD3 map units need to be evaluated to determine if they better fit the “Oxyaquic Hapludalfs” subgroup.

All of the Cincinnati map units need to be evaluated to determine if they should be in the “superactive” rather than the “active” CEC activity class.

Fairmount Series

These soils are considered to be taxadjuncts because they are in the “superactive” CEC activity class. All of these map units need to be evaluated to determine the dominant depth to bedrock.

Miami Series

The Miami components in map units MmA, MmB1, MmB2, MmC1, MmC2, RuA, RuB1, RuB2, RuC1, and RuC2 are considered taxadjuncts because they are less than 24 inches to dense till.

The Miami components in map units MsB3, MsC3, RvB3 and RvC3 are considered taxadjuncts because they are less than 20 inches to dense till and classify as “Fine-loamy, mixed, active, mesic shallow Oxyaquic Hapludalfs”.

The MmD1, MmD2, MmE1 and MmE2 map units are taxadjuncts they do not have a water table and classify in the “Typic Hapludalfs” subgroup.

The MsD3 and MsE3 map units are considered taxadjuncts because they are less than 20 inches to dense till, do not have a water table and classify as “Fine-loamy, mixed, active, mesic shallow Typic Hapludalfs”.

All of the Miami map units need to be evaluated to determine if they should be in the “superactive” rather than the “active” CEC activity class.

Rodman Series

The Rodman components in map units FvD3 and FxD3 are considered to be taxadjuncts because they are less than 10 inches to sand and gravel.

Russell Series

The severely eroded Russell components in map units RtB3, RtC3, RtD3, RtE3, RvB3 and RvC3 are considered to be taxadjuncts because they are less than 40 inches to dense till.

Replace the Classification of the Soils, Table 4 from the Published Soil Survey with the following:
 Fayette and Union Counties, Indiana
 Taxonomic Classification of the Soils

(An asterisk in the first column indicates a taxadjunct to the series.)

Soil name	Family or higher taxonomic class
Avonburg-----	Fine-silty, mixed, active, mesic Aeric Fragic Glossaqualfs
Birkbeck-----	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Brookston-----	Fine-loamy, mixed, superactive, mesic Typic Argiaquolls
Celina-----	Fine, mixed, active, mesic Aquic Hapludalfs
Cincinnati-----	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
*Cincinnati-----	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
*Cincinnati-----	Fine-silty, mixed, active, mesic Typic Hapludalfs
#Cope-----	Fine-loamy, mixed, active, mesic Typic Argiaquolls
Crosby-----	Fine, mixed, active, mesic Aeric Epiaqualfs
#Delmar-----	Fine-silty, mixed, superactive, mesic Aeric Ochraqualfs
Eel-----	Fine-loamy, mixed, superactive, mesic Fluvaquentic Eutrudepts
*Fairmount-----	Clayey, mixed, superactive, mesic Lithic Hapludolls
Fincastle-----	Fine-silty, mixed, superactive, mesic Aeric Epiaqualfs
Fox-----	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Typic Hapludalfs
Genesee-----	Fine-loamy, mixed, superactive, mesic Fluventic Eutrudepts
Hennepin-----	Fine-loamy, mixed, active, mesic Typic Eutrudepts
Homer-----	Fine-loamy over sandy or sandy-skeletal, mixed, active, mesic Aeric Endoaqualfs
Kokomo-----	Fine, mixed, superactive, mesic Typic Argiaquolls
#Manlove-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Martinsville-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Miami-----	Fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs
*Miami-----	Fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs
*Miami-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs
*Miami-----	Fine-loamy, mixed, active, mesic shallow Oxyaquic Hapludalfs
*Miami-----	Fine-loamy, mixed, active, mesic shallow Typic Hapludalfs
Milton-----	Fine, mixed, active, mesic Typic Hapludalfs
Nineveh-----	Fine-loamy over sandy or sandy-skeletal, mixed, active, mesic Typic Argiudolls
Ockley-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Reesville-----	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
Rodman-----	Sandy-skeletal, mixed, mesic Typic Hapludolls
*Rodman-----	Sandy-skeletal, mixed, mesic shallow Typic Hapludolls

Soil name	Family or higher taxonomic class
Ross-----	Fine-loamy, mixed, superactive, mesic Cumulic Hapludolls
Russell-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
*Russell-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Shoals-----	Fine-loamy, mixed, superactive, nonacid, mesic Fluventic Endoaquepts
Sloan-----	Fine-loamy, mixed, superactive, mesic Fluvaquentic Endoaquolls
Westland-----	Fine-loamy, mixed, superactive, mesic Typic Argiaquolls
Whitaker-----	Fine-loamy, mixed, active, mesic Aeris Endoaqualls
Wynn-----	Fine, mixed, superactive, mesic Typic Hapludalfs
Xenia-----	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs

*Cincinnati taxadjunct (Oxyaquic Fragiudalfs) is for map unit CnC3

*Cincinnati taxadjunct (Typic Hapludalfs) is for map units CcD1, CcD2, CcE1, CcE2, CcF2, CnD3 and CnE3

*Miami taxadjunct (Oxyaquic Hapludalfs) is for map units MmA, MmB1, MmB2, MmC1, MmC2, RuA, RuB1, RuB2, RuC1, and RuC2

*Miami taxadjunct (shallow Oxyaquic Hapludalfs) is for map units MsB3, MsC3, RvB3 and RvC3

*Miami taxadjunct (Typic Hapludalfs) is for map units MmD1, MmD2, MmE1, and MmE2

*Miami taxadjunct (shallow Typic Hapludalfs) is for map units MsD3 and MsE3

*Rodman taxadjunct is for map units FvD3 and FxD3

*Russell taxadjunct is for map units RtB3, RtC3, RtD3, RtE3, RvB3, and RvC3

#Inactive series

Note that the Avonburg, Cincinnati and Whitaker series were correlated only in Fayette County.

FAYETTE AND UNION COUNTIES, INDIANA AMENDMENT NO. 1

Approval Signatures and Date

 TRAVIS NEELY
 State Soil Scientist/MLRA Leader
 Indianapolis, Indiana

 Date

 JANE E. HARDISTY
 State Conservationist
 Indianapolis, Indiana

 Date